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<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <i>(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))</i>	Attorney Docket No.	702-031290
	First Inventor	Paul VAN RIEL et al.
	Title	"Method of Estimating Elastic and Compositional Parameters..."
	Express Mail Label No.	EV 336815898

<b>APPLICATION ELEMENTS</b> <i>See MPEP chapter 600 concerning utility patent application contents.</i>	<b>ADDRESS TO:</b> Commissioner For Patents Mail Stop Patent Application P.O. Box 1450 Alexandria VA 22313-1450
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1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
*(Submit an original and a duplicate for fee processing)*
2. ☐ Applicant claims small entity status.  
 See 37 CFR 1.27.
3. ☒ Specification [Total Pages 54]  
*(preferred arrangement set forth below)*
- Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings *(if filed)*
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 25]
5. Oath or Declaration [Total Pages 2]
- a. ☐ Newly executed (original or copy)
- b. ☒ Copy from a prior application (37 CFR 1.63(d))  
*(for continuation/divisional with Box 18 completed)*
- i. ☐ DELETION OF INVENTOR(S)  
 Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program *(Appendix)*
8. Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all necessary)*
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
*(when there is an assignee)*
11. ☐ English Translation Document *(if applicable)*
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
*(Should be specifically itemized)*
15. ☐ Certified Copy of Priority Document(s)  
*(if foreign priority is claimed)*
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: 09/817,807

Prior application information: Examiner Anthony Gutierrez Art Unit: 2862

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

☒ Customer Number or Bar Code Label 28289 or ☐ Correspondence address below  
*(Insert Customer No. or Attach bar code label here)*

Name	Richard L. Byrne				
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Country	United States	Telephone	412-471-8815	Fax	412-471-4094

Name (Print/Type)	Richard L. Byrne	Registration No. (Attorney/Agent)	28,498
Signature	<i>Richard L. Byrne</i>	Date	September 26, 2003

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

17858 U.S. PTO  
 10/672751  
 09/26/03

**PATENT APPLICATION TRANSMITTAL LETTER**

MS Patent Application  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Transmitted herewith for filing is the patent application of: Paul VAN RIEL et al.  
 Entitled: "Method of Estimating Elastic and Compositional Parameters From Seismic and Echo-Acoustic Data"

Enclosed are: X 25 sheets of drawings  
X An Assignment of the invention to: Jason Geosystems B.V. (copy from parent)  
X Declaration (copy from parent)  
 \_\_\_\_\_ Non-Publication Request Under 37 C.F.R. §1.213

**CLAIMS AS FILED**

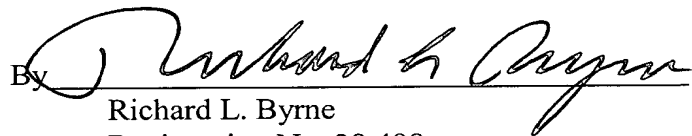
	<u>No. Filed</u>	<u>No. Extra</u>	<u>Small Entity Rate</u>	<u>Non-Small Entity Rate</u>	<u>Charge</u>
Total Claims	<u>66</u>	<u>-20 = 46</u>	x \$ 9.00	x \$ 18.00	\$ <u>828.00</u>
Indep. Claims	<u>4</u>	<u>-3 = 1</u>	x \$ 42.00	x \$ 84.00	\$ <u>84.00</u>
Multiple Dependent Claim/s			+ \$140.00	+ \$280.00	\$ <u>0.00</u>
Basic Fee			+ \$375.00	+ \$750.00	\$ <u>750.00</u>
			Total of above Charges		\$ <u>1662.00</u>
			Total Fee		\$ <u>1662.00</u>

A check in the amount of \$ 1662.00 is enclosed to cover the filing fee and excess claim fee.

The Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 CFR 1.16 or patent application processing fees under 37 CFR 1.17 associated with this communication to Deposit Account No. 23-0650. Please refund any overpayment to Deposit Account No. 23-0650.

An original and two copies of this sheet are enclosed.

September 26, 2003  
 Date

By   
 Richard L. Byrne  
 Registration No. 28,498  
 Attorney for Applicants  
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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Paul VAN RIEL et al.  
IN RE APPLICATION OF:

702-031290  
ATTORNEY'S DOCKET NUMBER

**Method of Estimating Elastic and Compositional Parameters from Seismic  
and Echo-Acoustic Data**

ENTITLED

MS PATENT APPLICATION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

EXPRESS MAIL CERTIFICATE

"Express Mail" Label Number EV 336815898 US

Date of Deposit September 26, 2003

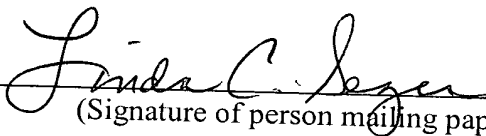
I hereby certify that the following attached paper or fee

- RETURN POSTCARD
- UTILITY PATENT APPLICATION TRANSMITTAL 1 p. in trip.)
- PATENT APPLICATION TRANSMITTAL LETTER (FEES) (1 p. in trip.)
- SPECIFICATION (54pp.); SHEETS OF FIGURES (25);
- COPY FROM PARENT (a) Declaration (2 pp.) (b) Assignment (3 pp.)
- Copy of Notification of Filing a Divisional or Continuation (filed in parent) (1 p.)
- CHECK IN THE AMOUNT OF \$1662.00 FOR FILING FEE

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Linda C. Seger

(Typed name of person mailing paper or fee)



(Signature of person mailing paper or fee)

COPY

PATENT APPLICATION  
Attorney's Docket No. 702-010355

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Paul VAN RIEL et al.

Serial No.: 09/817,807 Group Art Unit: 2857

Filing Date: March 26, 2001 Examiner: Anthony Gutierrez

Title: "METHOD OF ESTIMATING ELASTIC AND COMPOSITIONAL PARAMETERS  
FROM SEISMIC AND ECHO-ACOUSTIC DATA"

COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, VA 22313-1450

September 26, 2003

NOTIFICATION OF FILING OF  
CONTINUING OR DIVISIONAL APPLICATION

Notification is hereby being made of the filing of a:

- ☒ Continuation  
☐ Continuation-in-part  
☐ Divisional

application for this case filed:

- ☒ concurrently herewith.  
☐ on \_\_\_\_\_  
(date)

Respectfully submitted,

WEBB ZIESENHEIM LOGSDON  
ORKIN & HANSON, P.C.

By Richard L. Byrne

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I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on September 26, 2003

Linda C. Seger

Name of Person Mailing Paper

Linda C. Seger

09/26/2003

Date